

Jerome Mertens

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

3,253
citations

22
h-index

39
g-index

39
ext. papers

4,172
ext. citations

11.7
avg, IF

4.91
L-index

#	Paper	IF	Citations
35	Modifiers of C9orf72 dipeptide repeat toxicity connect nucleocytoplasmic transport defects to FTD/ALS. <i>Nature Neuroscience</i> , 2015 , 18, 1226-9	25.5	411
34	Directly Reprogrammed Human Neurons Retain Aging-Associated Transcriptomic Signatures and Reveal Age-Related Nucleocytoplasmic Defects. <i>Cell Stem Cell</i> , 2015 , 17, 705-718	18	388
33	Differential responses to lithium in hyperexcitable neurons from patients with bipolar disorder. <i>Nature</i> , 2015 , 527, 95-9	50.4	315
32	Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation. <i>ELife</i> , 2016 , 5,	8.9	264
31	Small molecules enable highly efficient neuronal conversion of human fibroblasts. <i>Nature Methods</i> , 2012 , 9, 575-8	21.6	251
30	Excitation-induced ataxin-3 aggregation in neurons from patients with Machado-Joseph disease. <i>Nature</i> , 2011 , 480, 543-6	50.4	240
29	Neuronal medium that supports basic synaptic functions and activity of human neurons in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2725-34	11.5	199
28	Evaluating cell reprogramming, differentiation and conversion technologies in neuroscience. <i>Nature Reviews Neuroscience</i> , 2016 , 17, 424-37	13.5	169
27	Tau Protein Disrupts Nucleocytoplasmic Transport in Alzheimer's Disease. <i>Neuron</i> , 2018 , 99, 925-940.e7	13.9	169
26	Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons. <i>Nature Neuroscience</i> , 2019 , 22, 243-255	25.5	122
25	Aging in a Dish: iPSC-Derived and Directly Induced Neurons for Studying Brain Aging and Age-Related Neurodegenerative Diseases. <i>Annual Review of Genetics</i> , 2018 , 52, 271-293	14.5	113
24	Presenilin-1 L166P mutant human pluripotent stem cell-derived neurons exhibit partial loss of β -secretase activity in endogenous amyloid- β generation. <i>American Journal of Pathology</i> , 2012 , 180, 2404-16	5.8	84
23	Generation of functional human serotonergic neurons from fibroblasts. <i>Molecular Psychiatry</i> , 2016 , 21, 49-61	15.1	83
22	Nup153 Interacts with Sox2 to Enable Bimodal Gene Regulation and Maintenance of Neural Progenitor Cells. <i>Cell Stem Cell</i> , 2017 , 21, 618-634.e7	18	61
21	Targeting the cytosolic innate immune receptors RIG-I and MDA5 effectively counteracts cancer cell heterogeneity in glioblastoma. <i>Stem Cells</i> , 2013 , 31, 1064-74	5.8	55
20	Mitochondrial Aging Defects Emerge in Directly Reprogrammed Human Neurons due to Their Metabolic Profile. <i>Cell Reports</i> , 2018 , 23, 2550-2558	10.6	55
19	APP processing in human pluripotent stem cell-derived neurons is resistant to NSAID-based β -secretase modulation. <i>Stem Cell Reports</i> , 2013 , 1, 491-8	8	53

18	The Pharmacogenomics of Bipolar Disorder study (PGBD): identification of genes for lithium response in a prospective sample. <i>BMC Psychiatry</i> , 2016 , 16, 129	4.2	42
17	Embryonic stem cell-based modeling of tau pathology in human neurons. <i>American Journal of Pathology</i> , 2013 , 182, 1769-79	5.8	28
16	Co-existence of intact stemness and priming of neural differentiation programs in mES cells lacking Trim71. <i>Scientific Reports</i> , 2015 , 5, 11126	4.9	24
15	Chemical modulation of transcriptionally enriched signaling pathways to optimize the conversion of fibroblasts into neurons. <i>ELife</i> , 2019 , 8,	8.9	23
14	Age-dependent instability of mature neuronal fate in induced neurons from Alzheimer's patients. <i>Cell Stem Cell</i> , 2021 , 28, 1533-1548.e6	18	22
13	Next-generation disease modeling with direct conversion: a new path to old neurons. <i>FEBS Letters</i> , 2019 , 593, 3316-3337	3.8	18
12	Take the shortcut - direct conversion of somatic cells into induced neural stem cells and their biomedical applications. <i>FEBS Letters</i> , 2019 , 593, 3353-3369	3.8	13
11	Generating human serotonergic neurons in vitro: Methodological advances. <i>BioEssays</i> , 2016 , 38, 1123-1129	4.9	13
10	Human neurons to model aging: A dish best served old. <i>Drug Discovery Today: Disease Models</i> , 2018 , 27, 43-49	1.3	10
9	One Big Step to a Neuron, Two Small Steps for miRNAs. <i>Cell Stem Cell</i> , 2021 , 28, 1-2	18	7
8	When function follows form: Nuclear compartment structure and the epigenetic landscape of the aging neuron. <i>Experimental Gerontology</i> , 2020 , 133, 110876	4.5	6
7	Author response: Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation 2016 ,		4
6	Alzheimer's disease: distinct stages in neurogenic decline?. <i>Biological Psychiatry</i> , 2015 , 77, 680-2	7.9	2
5	Author response: Chemical modulation of transcriptionally enriched signaling pathways to optimize the conversion of fibroblasts into neurons 2019 ,		2
4	The different moods of human serotonergic neurons. <i>Molecular Psychiatry</i> , 2016 , 21, 3	15.1	1
3	Metabolism navigates neural cell fate in development, aging and neurodegeneration. <i>DMM Disease Models and Mechanisms</i> , 2021 , 14,	4.1	1
2	Direct Conversion of Human Fibroblasts to Induced Neurons. <i>Methods in Molecular Biology</i> , 2021 , 2352, 73-96	1.4	0
1	Human Pluripotent and Multipotent Stem Cells as Tools for Modeling Neurodegeneration. <i>Research and Perspectives in Neurosciences</i> , 2013 , 57-66		

